

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-22 canceled.

23. (Original) A photopolymerizable dental restorative material comprising: particles of filler; first monomers having thiol functional groups; second monomers having vinyl functional groups; and an initiator; wherein at least about 10% of the functional groups in the dental restorative material are thiol functional groups.

24. (Currently amended) The photopolymerizable dental restorative material of claim 23, wherein at least about 25% 15% to about 60% of the functional groups in the dental restorative material are thiol functional groups.

25. (Currently amended) The photopolymerizable dental restorative material of claim 23, wherein at least about 45% 45% to about 55% of the functional groups in the dental restorative material are thiol functional groups.

Claims 26-28 canceled.

29. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized exhibits a volume shrinkage of less than 10%.

30. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having an average weight loss, when dried, of 0.4 to 0.6% relative to an original mass before extraction.

Claim 31 canceled.

32. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having a shrinkage stress of less than 3.0 MPa.

33. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having a shrinkage stress of less than 1.5 MPa.

34. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having a shrinkage stress of less than 0.5 MPa.

Claims 35-43 canceled.

44. (New) The photopolymerizable dental restorative material of claim 23 wherein the initiator is selected from camphorquinone, 2,2-dimethoxy-2-phenylacetophenone, and ethyl 4-(dimethylamino)benzoate.